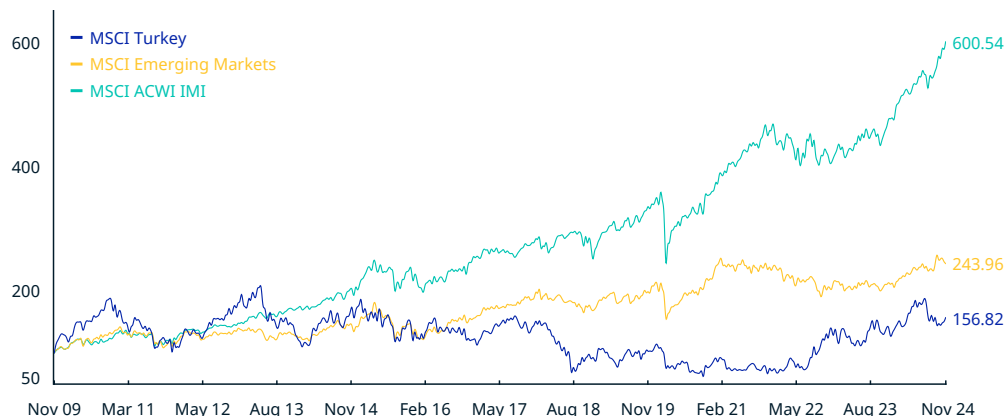


MSCI Turkey Index (EUR)

The **MSCI Turkey Index** is designed to measure the performance of the large and mid cap segments of the Turkish market. With 17 constituents, the index covers about 85% of the equity universe in Turkey.

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (EUR) (NOV 2009 – NOV 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI Turkey	MSCI Emerging Markets	MSCI ACWI IMI
2023	-8.52	6.53	18.05
2022	103.68	-14.48	-12.63
2021	-22.35	5.20	27.73
2020	-16.12	8.89	7.17
2019	13.73	21.07	29.37
2018	-38.08	-9.91	-5.05
2017	22.16	21.00	9.43
2016	-5.37	14.94	12.22
2015	-23.76	-4.87	9.52
2014	35.59	11.81	18.84
2013	-29.69	-6.49	18.81
2012	62.34	16.81	15.24
2011	-32.99	-15.44	-4.33
2010	29.67	27.48	22.86

INDEX PERFORMANCE – GROSS RETURNS (%) (NOV 29, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 31, 1998
					3 Yr	5 Yr	10 Yr		
MSCI Turkey	10.34	0.27	14.39	23.66	32.86	8.47	-1.03	6.59	
MSCI Emerging Markets	-0.90	3.17	16.13	13.11	1.31	4.51	5.29	8.35	
MSCI ACWI IMI	6.83	8.92	30.60	25.59	10.07	12.53	11.50	7.71	

FUNDAMENTALS (NOV 29, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.74	8.92	5.19	1.18
2.64	15.34	11.81	1.78
1.82	22.67	18.29	3.03

INDEX RISK AND RETURN CHARACTERISTICS (NOV 29, 2024)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 31, 1998	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Turkey	7.29	33.64	34.48	32.44	0.95	0.37	0.12	0.33	86.30	2000-04-28–2003-03-24
MSCI Emerging Markets	5.64	13.64	15.20	14.28	0.00	0.30	0.41	0.44	59.67	2007-10-29–2008-10-27
MSCI ACWI IMI	2.39	13.57	15.16	13.60	0.62	0.79	0.85	0.48	56.23	2000-09-07–2003-03-12

¹ Last 12 months

² Based on monthly gross returns data

³ Based on EMMI EURIBOR 1M from Sep 1 2021 & on ICE LIBOR 1M prior that date

The MSCI Turkey Index was launched on Jan 31, 1990. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

INDEX CHARACTERISTICS

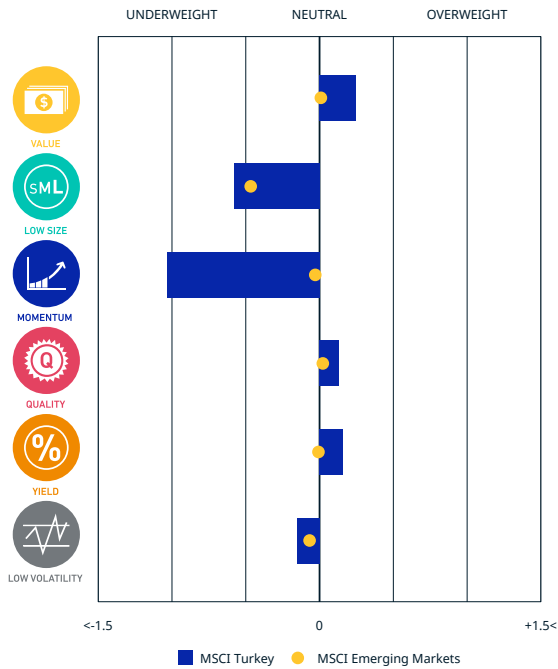
MSCI Turkey	
Number of Constituents	17
Mkt Cap (EUR Millions)	
Index	47,776.32
Largest	5,883.61
Smallest	1,128.65
Average	2,810.37
Median	2,593.26

TOP 10 CONSTITUENTS

	Float Adj Mkt Cap (EUR Billions)	Index Wt. (%)	Sector
BIM BIRLESIK MAGAZALAR	5.88	12.31	Cons Staples
AKBANK	5.18	10.84	Financials
TURK HAVA YOLLARI	4.29	8.98	Industrials
KOC HOLDING	4.16	8.71	Industrials
TUPRAS TURKIYE PETROL	3.87	8.10	Energy
TURKIYE IS BANKASI C	3.25	6.81	Financials
TURKCELL ILETISIM HIZMET	2.99	6.26	Comm Srvcs
YAPI VE KREDI BANKASI	2.73	5.72	Financials
SABANCI HLDG (HACI OMER)	2.59	5.43	Financials
ASELSAN ELEKTRONIK	2.59	5.43	Industrials
Total	37.55	78.59	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



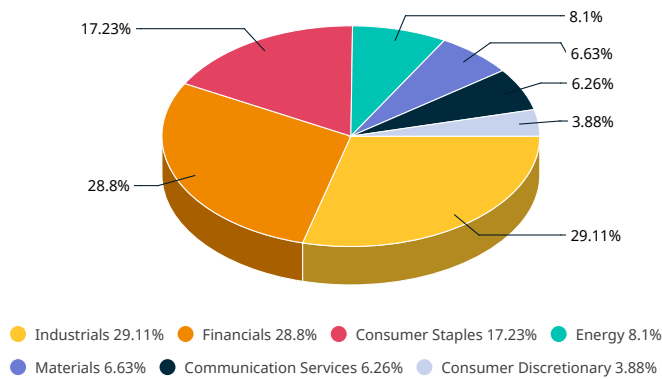
MSCI FaCS

- VALUE**
Relatively Inexpensive Stocks
- LOW SIZE**
Smaller Companies
- MOMENTUM**
Rising Stocks
- QUALITY**
Sound Balance Sheet Stocks
- YIELD**
Cash Flow Paid Out
- LOW VOLATILITY**
Lower Risk Stocks

MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SECTOR WEIGHTS



MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

ABOUT MSCI

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